

DIVISION OF OIL, GAS, AND MINING
BOND ESTIMATE

OPERATOR: Sapphire Corporation
MINE NAME: Spectrum Quarry Mine
LOCATION: Section 23, Township 17 South, Range 13 West
COUNTY: Millard
DATE: March 14, 1979

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.	Lump sum	\$1,000.00	\$1,000.00
	2. Removal of trash & debris.	Included		
	3. Leveling of ancillary facilities pads and access roads.	Included		
B.	REGRADING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	40 hours	\$85/hr	\$3,400.00
	2. Recontouring of highwalls and excavations.	Included		
	3. Spreading of soil or surficial materials.	Included		
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	37 acre	\$25/acre	\$925.00
	2. Seeding or planting.	37 acre	\$150/acre	\$5,500.00
	3. Construction of terraces, waterbars, etc.	Included in B above.		
D.	LABOR			
	1. Supervision.	40 hours	\$10/hour	\$400.00
	2. Labor exclusive of bulldozer time.	Included		
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.			
	2. Removal or neutralization of explosive or hazardous materials.	Lump sum	\$100.00	\$100.00
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	3 annual inspections	\$50/each	\$150.00
G.	OTHER			
	Subtotal			\$11,525.00
	5% inflation for 5 year life*		1.2763	\$ 3,184.00
	Total			\$14,709.00

*Reevaluate every 5 years

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 LOCATION: Section 23, Township 17 South, Range 13 West
 COUNTY: Millard
 DATE: 3-14-79 JWS

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.	Lump Sum	\$1,000	\$1,000
	2. Removal of trash & debris.	Included		
	3. Leveling of ancillary facilities pads and access roads.	Included		
B.	REGRADEING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	40 hrs	\$85/hr	\$3,400
	2. Recontouring of highwalls and excavations.	Included		
	3. Spreading of soil or surficial materials.	Included		
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	37 ac	\$25/ac	\$ 925
	2. Seeding or planting.	37 ac	\$150/ac	\$5,550
	3. Construction of terraces, waterbars, etc.	Included in B above	Included in B above	
D.	LABOR			
	1. Supervision.	40 hrs	\$10/hr	\$ 400
	2. Labor exclusive of bulldozer time.		Included	
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.	—	—	—
	2. Removal or neutralization of explosive or hazardous materials.	Lump Sum	\$100	\$100
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	3 annual inspections	\$50 ea	\$150
G.	OTHER			
	Sub total			\$11,525
	5% Inflation for 5 year life*		1.2763	\$3,184
	Total			\$14,709

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